

WHAT IS CLAIMED IS:

1. A sheet transport apparatus that re-transports a sheet having an image formed by an image forming portion on a first surface of the sheet, to 5 the image forming portion so as to form an image on a second surface, opposite to the first surface, of the sheet, said the sheet transport apparatus comprising:
 - a re-transport path through which the sheet having the image on the first surface of the sheet is 10 re-transported to the image forming portion;
 - cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet; and
 - an electrical substrate,
- 15 wherein the air after cooling the sheet by having been blown from said cooling means against the sheet is prevented from striking said electrical substrate.
- 20 2. A sheet transport apparatus according to claim 1, further comprising a cooling air path which is provided between said cooling means and said re-transport path and through which the air blown by said cooling means flows into said re-transport path,
- 25 wherein said electrical substrate is arranged at a position off said cooling air path.

3. A sheet transport apparatus according to
claim 2, further comprising a duct member
constituting said cooling air path,

wherein said electrical substrate is arranged in
5 a side portion in a direction that is perpendicular
to a direction in which the air flows through said
duct member.

4. A sheet transport apparatus according to
10 claim 1, further comprising a cooling air path which
is provided between said cooling means and said re-
transport path and through which the air blown by
said cooling means flows into said re-transport path,

wherein said electrical substrate is arranged on
15 an upstream side in a direction in which the air
flows through said cooling air path.

5. A sheet transport apparatus according to
claim 1, wherein said cooling means is a fan, and
20 wherein said electrical substrate is arranged on an
inlet side of said fan.

6. A sheet transport apparatus according to
claim 1, further comprising a duct member for causing
25 the air blown by said cooling means to flow into the
re-transport path,

wherein said electrical substrate, said cooling

means, said duct member, and said re-transport path are arranged in the named order from an upstream side along a flowing direction of the air blown by said cooling means.

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7. A sheet transport apparatus according to claim 1, wherein said electrical substrate is a control substrate that controls a re-transporting operation for the sheet.

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8. An image forming apparatus having a sheet transport apparatus that re-transports a sheet having an image formed by an image forming portion on a first surface of the sheet, to the image forming portion in order to form an image on a second surface, opposite to the first surface, of the sheet, said image forming apparatus comprising:

 said image forming portion;
 a re-transport path through which the sheet having the image formed on the first surface of the sheet is re-transported to said image forming portion;

 cooling means for blowing air against the sheet passing through said re-transport path in order to cool the sheet; and

 an electrical substrate,
 wherein the air after cooling the sheet by

having been blown from said cooling means against the sheet is prevented from striking said electrical substrate.

5 9. An image forming apparatus according to claim 8, wherein said re-transport path, said cooling means, and said electrical substrate are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.

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10. An image forming apparatus comprising:
a photosensitive drum on which a toner image is formed;
a fixing roller that heats and pressurizes a
15 sheet onto which the toner image has been transferred from said photosensitive drum;
a re-transport path that connects a downstream side path of said fixing roller and an upstream side path of said photosensitive drum;
20 a fan that blows air; and
an electrical substrate,
wherein said electrical substrate, said fan, and said re-transport path are arranged in the named order from an upstream side along a flowing direction
25 of the air blown from said fan.

11. An image forming apparatus according to

claim 10, wherein said electrical substrate, said fan, and said re-transport path are integrated into a unit that is detachably attachable to a main body of said image forming apparatus.